10/587666 IAP12 Rec'd PCT/PTO 2 6 JUL 2006

> Express Mail #EV809572047US Patent

Attorney Docket # 5367-243PUS

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re National Phase PCT Application of

Johannes BAUR et al.

Int'l PCT Serial No.: PCT/DE2005/000099

Int'l Filing Date::

January 25, 2005

For:

Thin-Film LED Comprising a Current-

**Dispersing Structure** 

### INFORMATION DISCLOSURE STATEMENT

Mail Stop PCT Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

SIR:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and in accordance with the practice under 37 C.F.R. §§ 1.97 and 1.98, the Examiner's attention is directed to the documents listed on the enclosed Form PTO SB/08A.

In accordance with 37 C.F.R §§1.97(g) and (h), the filing of this Information Disclosure Statement should not be construed as a representation that a search has been made or that information cited is, or is considered to be, material to patentability as defined in §1.56(b), or that any cited document listed or attached is (or constitutes) prior art. Unless otherwise indicated, the date of publication indicated for an item is taken from the face of the item and Applicant(s) reserve(s) the right to prove that the date of publication is in fact different.

# IAP12 Rec'd PCT/PTO 2 6 JUL 2006

Submitted herewith is a copy of the International Search Report issued in connection with International Application on which the present U.S. National Phase application is based.

Copies of the references cited in the International Search Report have been supplied by WIPO to the USPTO. Therefore, copies of the cited references in the International Search Report are not being provided herewith in accordance with current U.S. practice because they should be on file already at the USPTO.

It is respectfully requested that the Examiner return an initialed copy of the attached Form PTO SB/08A to confirm that the publications supplied by WIPO and listed therein have been considered and made of record.

Respectfully submitted, COHEN, PONTANI, LIEBERMAN & PAVANE LLP

Thomas Langer

Reg. No. 27,264

551 Fifth Avenue, Suite 1210 New York, New York 10176 (212) 687-2770

Dated: July 26, 2006

10 45,87,666

Approved for use through 04/30/2003. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless is contained and MBIGO 1 1016

Substitute for	Substitute for Form 1449/PTO			plete if Known	
			Application Number		
INFO	RMATION	N DISCLOSURE	Filing Date		
		BY APPLICANT	First Named Inventor	Johannes BAUR	
SIA		eets as necessary)	Art Unit		
			Examiner Name		
Sheet	1 o	f 2	Attorney Docket Number	5367-243PUS	

		U.	S. PATENT D	OCUMENTS	
Examiner Initials*	Cite No. 1	Document Number  Number-Kind-Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-6,541,797 B1	04/01/2003	Udagawa	
		US-5,744,828 A	04/28/1998	Nozaki et al.	
		US-2003/209717 A1	11/13/2003	Okazaki	
		US-2004/004223 A1	01/08/2004	Nagahama et al.	
		US-5,861,636 A	01/19/1999	Dutta et al.	
		US-			

-		FO	REIGN PATI	ENT DOCUMENTS		
Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,	T <sup>6</sup>
Initials*	No. '	Country Code <sup>3</sup> Number <sup>4</sup> Kind-Code <sup>5 (if known</sup>	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	
	<u> </u>					
	<del>-</del>				· · · · · · · · · · · · · · · · · · ·	 
-						<u> </u>
			•		-	
	1					

Examiner Signature  Date Considered				
	Signature	<del></del>	Considered	

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 'Applicant's unique citation designation number (optional). 'See Kinds Codes of USPTO Patent Documents at www.uspio.gov or MPEP 901.04. 'Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 'For Japanese patent documents, the indication of the year of the Emperor must precede the serial number of the patent document. 'Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 'Applicant is to place a check mark here if English language Translation is attached.

10,15,87,6,6

Approved for use through 04/30/2003. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

IAP12 Rec'd PCT/PTO 2 6 JUL 2006

Substitute for	or Form 1449/PTO	0		Co	mplete if Known
				Application Number	
INEO	DMATIC	N DI	SCLOSURE	Filing Date	
				First Named Inventor	Johannes BAUR
51A1			PPLICANT	Art Unit	
	(Use as many sheets as necessary)		ccessary)	Examiner Name	
Sheet	2	of	2	Attorney Docket	5367-243PUS
				Number	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Algora, "Large-Area Infrared-Emitting Diodes with an Output Optical	
		Power Greater than 1W", IEEE Photonics Technology Letters, Vol. 10, No. 3, pp. 331-333, March 1998	
,			
	<u> </u>		
		·	
		1989-1989-1989-1989-1989-1989-1989-1989	
	ļ		
	L		

Examiner Signature	Date Considered	 <del>_</del>

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 'Applicant's unique citation designation number (optional). 'See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 'Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 'For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 'Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 'Applicant is to place a check mark here if English language Translation is attached.

By Express Mail #EV809572047US

Attorney Docket # 5367-243PUS

Patent

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re National Phase PCT Application of

Johannes BAUR et al.

Int'l PCT Appln. No.: PCT/DE2005/000099

Int'l Filing Date:

January 25, 2005

For:

Thin-Film LED Comprising a

**Current-Dispersing Structure** 

Check box if applicable:

DUPLICATE

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

## INFORMATION DISCLOSURE STATEMENT

SIR:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and in accordance with the practice under 37 C.F.R. §§ 1.97 and 1.98, the Examiner's attention is directed to the documents listed on the enclosed Form PTO/SB/08a. Copies of the listed non-U.S. documents are enclosed.

USP 6,222,205 corresponds to DE 197 41 609.

US 2003/0057829 corresponds to DE 201 15 914.

EP 0 825 652 corresponds to DE 697 10 539.

USP 2003/0111667 corresponds to WO 03/052838.

USP 6,066,861 corresponds to WO 98/12757.

US 2005/0239270 corresponds to DE 103 03 978.

US 2005/0239270 corresponds to DE 102 43 757.

10/587666 IAP12 Rec'd PCT/PTO 2 6 JUL 2006

US 2005/0239270 corresponds to DE 103 03 977.

USP 6,559,075 corresponds to WO 98/14986.

US 2005/0239270 corresponds to DE 102 03 795.

It is respectfully requested that the above information be considered by the

Examiner and that the copy of the enclosed Form PTO/SB/08a be returned indicating that such

information has been considered.

In accordance with 37 C.F.R §§1.97(g) and (h), the filing of this Information

Disclosure Statement should not be construed as a representation that a search has been made or

that information cited is, or is considered to be, material to patentability as defined in §1.56(b),

or that any cited document listed or attached is (or constitutes) prior art. Unless otherwise

indicated, the date of publication indicated for an item is taken from the face of the item and

Applicant(s) reserve(s) the right to prove that the date of publication is in fact different.

If any fees or charges are deemed required at this time in connection with the

application, the same may be charged to our Patent and Trademark Office Deposit Account No. 03-

2412.

Respectfully submitted,

COHEN, PONTANI, LIEBERMAN & PAVANE LLP

Thomas Langer

Reg. No. 27,26/4

551 Fifth Avenue, Suite 1210

New York, New York 10176

(212) 687-2770

Dated: July 26, 2006

2

10/587666 PTO/SB/08A (04-03)

Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number IAP12 Rec'd PCT/PT0 2 6 JUL 2006

Substitute for	r Form 1449/PTO				Com	plete if Known	
					Application Number		
INE	ODMATIC	N I	nsci (	Adiise	Filing Date		
				First Named Inventor	Johannes BAUR		
SIA	INFORMATION DISCLOSURI STATEMENT BY APPLICANT (Use as many sheets as necessary)		Art Unit				
	(Ose as many	3110013	us necessury)		Examiner Name		
Sheet	1	of	2		Attorney Docket Number	5367-243PUS	

		Ţ	U.S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Document Number  Number-Kind-Code <sup>2</sup> (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
•		US-6,650,018 B1	11/18/2003	Zhao et al.	
		US-6,222,205 B1	04/24/2001	Geng et al.	
		US-2003/0057829 A1	03/27/2003	Ellens et al.	
		US-6,172,382 B1	01/09/2001	Nagahama et al.	
		US-6,649,942 B2	11/18/2003	Hata et al.	
		US-2003/0111667 A1	06/19/2003	Schubert	
		US-6,066,861	05/23/2000	Höhn et al.	
		US-2005/0239270 A1	10/27/2005	Fehrer et al.	
		US-6,559,075 B1	05/06/2003	Kelly et al.	
		US-5,008,718	04/16/1991	Fletcher et al.	·
		US-5,233,204	08/03/1993	Fletcher et al.	

		F	OREIGN PA	TENT DOCUMENTS		
Examiner Initials*	Cite No. 1	Foreign Patent Document  Country Code <sup>3</sup> Number <sup>4</sup> Kind-Code <sup>5</sup> (if known	Publication Date - MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		DE 197 41 609 C2	02/27/2003	Geng et al.		
		DE 197 47 433 A1	05/06/1999	Geng et al.		Abstract
		DE 201 15 914 U1	03/20/2003	Ellens et al.		
		EP 0 825 652 B1	07/08/1997	Miyajima		
,		DE 697 10 539 T2	02/20/2002	Miyajima		
		WO 03/052838 A2	06/26/2003	Schubert		
		WO 98/12757	03/26/1998	Höhn et al.		·
		DE 103 03 978 A1	11/27/2003	Stauss et al.		
		DE 102 43 757 A1	04/01/2004	Kaiser et al.		
		DE 103 03 977 A1	11/27/2003	Kaiser et al.		
		WO 98/14986	04/09/1998	Kelly et al.		
		DE 199 47 030 A1	04/19/2001	Wirth et al.		Abstract
		DE 196 40 594 A1	04/02/1998	Kelly et al.		
		DE 102 03 795 A1	08/21/2003	Ploessl		
Exan Signa	miner nature	<u></u> '		Date Considered		

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 'Applicant's unique citation designation number (optional). 'See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 'Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 'For Japanese patent documents, the indication of the year of the Emperor must precede the serial number of the patent document. 'Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 'Applicant is to place a check mark here if English language Translation is attached.

10/587666 PTO/SB/08A (04-03)

Approved for use through 04/30/2003. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

IAP12 Rec'd PCT/PTO 2 6 JUL 2006

Substitute f	or Form 1449/PTO			Со	mplete if Known	
				Application Number		
INEO		N INT	eci ocime	Filing Date		
			First Named Inventor	Johannes BAUR		
STAT	NFORMATION DISCLOSUR STATEMENT BY APPLICAN (Use as many sheets as necessary)		Art Unit			
	(Use as many sh	eets as n	ecessary)	Examiner Name		
Sheet	2	of	2	Attorney Docket Number	5367-243PUS	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		I. Schnitzer et al., "30% external quantum efficiency from surface textured, thin-film light-emitting diodes", Appl. Phys., Vol. 63, No. 16, pp. 2174-2178, October 18, 1993	
		F.A. Kish et al., "Very high-efficiency semiconductor wafer-bonded transparent-substrate (Al <sub>x</sub> Ga <sub>1-x</sub> ) <sub>0.5</sub> In <sub>0.5</sub> P/GaP light-emitting diodes", Appl. Phys. Lett., Vol. 64, No. 21, pp. 2839-2841, May 23, 1994	

Examiner Signature	 Date Considered		

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 'Applicant's unique citation designation number (optional). 'See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 'Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 'For Japanese patent documents, the indication of the year of the Emperor must precede the serial number of the patent document. 'Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 'Applicant is to place a check mark here if English language Translation is attached.